

# Work Order ID 55817

Tuesday, February 02, 2010 1:37:36 PM

Page 1

Item ID: D3462-041

Accept

Setup Start

Revision ID:

Stop

Item Name: Bracket Assembly

Start Date: 2/3/2010 Start Qty: 6.00

Cust Item ID:

Required Date: 2/12/2010 Req'd Qty: 6.00

Customer:

Reference:

Approvals: Process Plan: MF Date: 10-2-2

Tooling:

Date:

Run Start

QC: Date:

SPC (Y/N):

Date:

Stop

| Sequence ID/<br>Work Center ID | Operation<br>Description | Set Up/<br>Run Hours | Draw<br>Number | Draw<br>Rev. | Plan<br>Code | Accept<br>Qty | Reject<br>Qty | Reject<br>Number | Insp.<br>Stamp |
|--------------------------------|--------------------------|----------------------|----------------|--------------|--------------|---------------|---------------|------------------|----------------|
|--------------------------------|--------------------------|----------------------|----------------|--------------|--------------|---------------|---------------|------------------|----------------|

| Draw Nbr | Revision Nbr |
|----------|--------------|
| D3462    | Rev C        |

100 Large Fab 0.00



Large Fab

Memo

0.00

Large Fab

Weld assembly as per dwg D3462

m102421

110 QC9- Inspect visual per QSI004- Fusion Welds 0.00



QC

Memo

0.00

Quality Control

120 QC5- Inspect part completeness to step on W/O 0.00



QC

Memo

0.00

Quality Control

EL 10-2-9

6

PD 10.02.09 6

Soler/10

x6

11

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_





| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC<br>Section A   | Corrective Action Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |



**NOTE:** Date & initial all entries




# Work Order ID 55817

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|                |                  |            |   |   |               |   |
|----------------|------------------|------------|---|---|---------------|---|
| Item ID:       | D3462-041        | Accept     |  | Setup   | Start         |  |
| Revision ID:   |                  |            |   |   |               |   |
| Item Name:     | Bracket Assembly |            |   |   | Stop          |  |
| Start Date:    | 2/3/2010         | Start Qty: | 6.00  |  | Cust Item ID: |   |
| Required Date: | 2/12/2010        | Req'd Qty: | 6.00  |  | Customer:     |   |
| Reference:     |                  |            |   |   |               |   |

|            |               |       |            |       |     |       |   |
|------------|---------------|-------|------------|-------|-----|-------|---|
| Approvals: | Process Plan: | Date: | Tooling:   | Date: | Run | Start |  |
|            | QC:           | Date: | SPC (Y/N): | Date: |     | Stop  |  |

| Sequence ID/<br>Work Center ID  | Operation<br>Description  | Set Up/<br>Run Hours | Draw<br>Number | Draw<br>Rev. | Plan<br>Code | Accept<br>Qty | Reject<br>Qty | Reject<br>Number | Insp.<br>Stamp |
|---|---|----------------------|----------------|--------------|--------------|---------------|---------------|------------------|----------------|
| 130<br><br>Powdercoat<br>Powder Coating | White Gloss(Ref:4.3.5.2) per QSI005 4.3-Steel<br>M113170<br>Memo<br>START TIME: 7:00am<br>7:30am FINISH TIME: 3:20pm<br>OVEN TEMPERATURE: | 0.00<br>0.00         |                | => 10/02/17  |              | (46)          | 9             |                  |                |
| 140<br><br>QC<br>Quality Control        | QC3- Inspect Part Finish<br>Memo  | 0.00<br>0.00         |                | 10-02-17     |              | (6)           | 8             |                  |                |
| 150<br><br>Packaging<br>Packaging     | Identify as per dwg & Stock Location: 192A<br>Memo  | 0.00<br>0.00         |                |              |              | 10-2-17       | sl            | (6)              |                |

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC<br>Section A   | Corrective Action Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

**NOTE:** Date & initial all entries

**Work Order ID 55817**

Tuesday, February 02, 2010 1:37:36 PM

Page 3

Item ID: D3462-041

Accept

Setup Start

Revision ID:

Stop

Item Name: Bracket Assembly

Start Date: 2/3/2010 Start Qty: 6.00

Cust Item ID:

Required Date: 2/12/2010 Req'd Qty: 6.00

Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run HoursDraw  
NumberDraw  
Rev.Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

160

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

10/02/17 *[Signature]**OK 10-2-17*  
*(6)*

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC<br>Section A   | Corrective Action Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

**NOTE:** Date & initial all entries

# Picklist Print

Tuesday, February 02, 2010 1:37:36 PM

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Work Order ID: 55817



Parent Item: D3462-041



Parent Item Name: Bracket Assembly

Start Date: 2/3/2010

Required Date: 2/12/2010

Comments: IPP REV. A 05.11.18 NEW ISSUE EC  
esr rev B 08.07.15 ecn 1049 EC verified by: DD

Start Qty: 6.00

Required Qty: 6.00

| Component Item ID/<br>Item Name | Replacement<br>Item ID | Mfg/<br>Purch | Bin<br>Item | Primary<br>Location | Last<br>Location | Route<br>Seq ID | Unit of<br>Measure | Qty on<br>Hand | Remaining<br>Qty To Pick | Qty<br>Issued | Date<br>Issued | Status |
|---------------------------------|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|--------------------------|---------------|----------------|--------|
| D3462-1                         |                        | Manufactured  | No          |                     |                  | 100             | Each               | 18.0000        | 6.0000                   |               |                |        |
|                                 |                        |               |             |                     |                  |                 |                    |                |                          |               |                |        |
| BRACKET ASSEMBLY                |                        |               |             |                     |                  |                 |                    |                |                          |               |                |        |

EL 10-2-9

| Warehouse      | Loc Qty | Loc Code |
|----------------|---------|----------|
| Location       |         |          |
| Main Warehouse |         |          |
| WA             | 18      |          |
| 54715          | 18      |          |
| D3462-3        | 100     | 6.0000   |
| Manufactured   | No      | 6.0000   |
|                |         |          |
| Lug            |         |          |

6

EL 10-2-9

| Warehouse      | Loc Qty | Loc Code |
|----------------|---------|----------|
| Location       |         |          |
| Main Warehouse |         |          |
| ST             | 6       |          |
| 45184          | 4       |          |
| 46527          | 2       |          |
| 55607          | 6       |          |

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

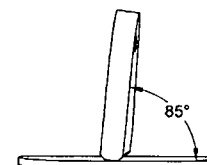
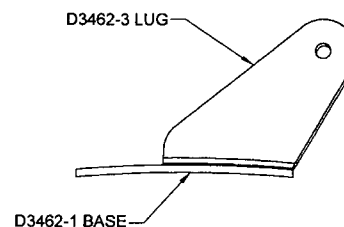
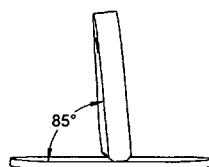
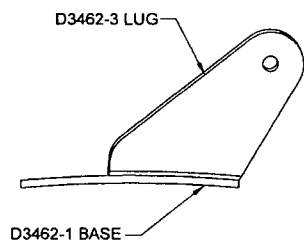
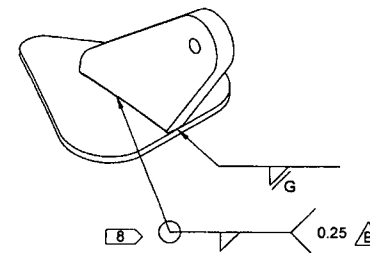
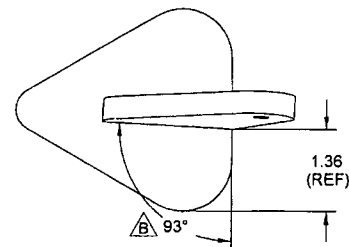
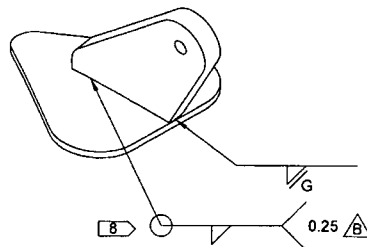
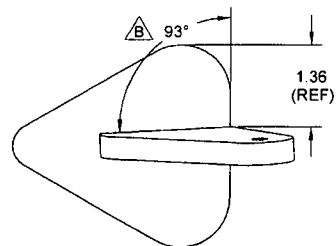
Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC<br>Section A   | Corrective Action Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

**NOTE:** Date & initial all entries





**D3462-041 BRACKET ASSEMBLY**

**D3462-042 BRACKET ASSEMBLY**

| QTY<br>-041 | QTY<br>-042 | P/N       | DESCRIPTION      |
|-------------|-------------|-----------|------------------|
| X           |             | D3462-041 | BRACKET ASSEMBLY |
|             | X           | D3462-042 | BRACKET ASSEMBLY |
| 1           | 1           | D3462-1   | BASE             |
| 1           | 1           | D3462-3   | LUG              |

**NOTES:**

- 1) MATERIAL: N/A
- 2) FINISH: POWDER COAT WHITE (4.3.5.2) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3462-041" OR "D3462-042" USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: 0.75 lbs (TYP)
- 8) WELDING: PER DART QSI 004

|   |   |    |          |
|---|---|----|----------|
| C   | SHOW VIEWS OF D3462-041 & D3462-042. UPDATE DWG REASON: PRODUCTION FACILITY | DC | 07.10.24 |
| B   | REVISE DIMENSIONS   | RF | 05.12.05 |
| A   | NEW ISSUE   | RF | 05.09.20 |
| REV.  | DESCRIPTION   | BY | DATE     |
| DESIGN  |   |    |          |
| DRAWN   |   |    |          |
| CHECKED   |   |    |          |
| MFG. APPR.  |   |    |          |
| APPROVED  |   |    |          |
| DE APPR.  |   |    |          |
| DATE  | 07.10.24  |    |          |
| <b>DART AEROSPACE LTD</b><br>HAWKESBURY, ONTARIO, CANADA<br>DRAWING NO. <b>D3462</b><br>TITLE <b>BRACKET ASSEMBLY</b><br>REV. C<br>SHEET 1 OF 2<br>SCALE 1:2<br><small>COPYRIGHT © 2005 BY DART AEROSPACE LTD<br/>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD</small> |   |    |          |

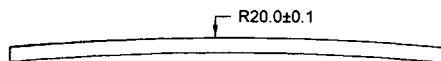
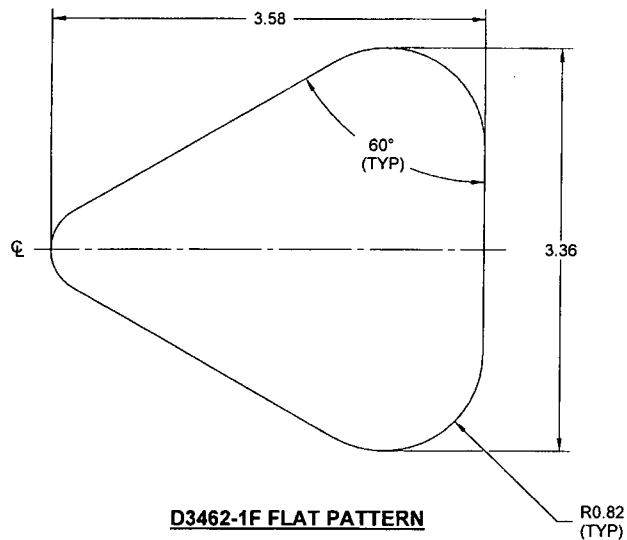
| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

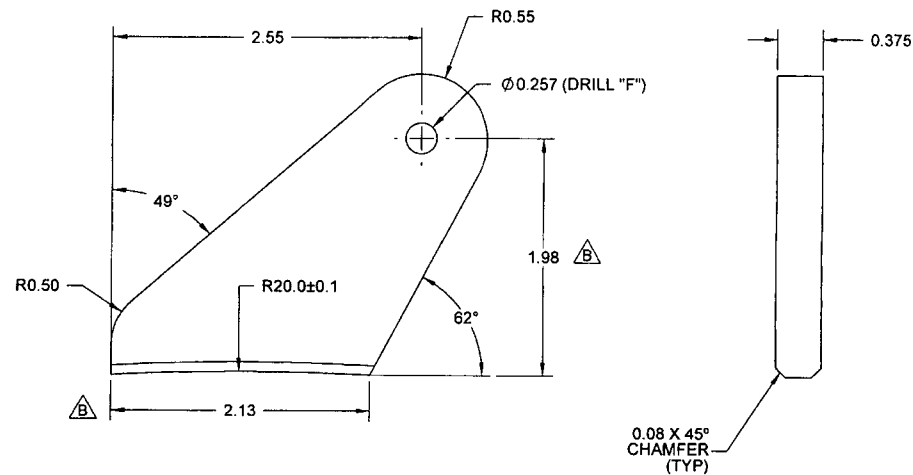
| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC<br>Section A   | Corrective Action Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

**NOTE:** Date & initial all entries



**NOTES:**

- 1) MATERIAL: AISI 304 SS SHEET, 0.125 THICK  
PER MIL-S-5019 (ANNEALED), 2B FINISH  
(REF. DART SPEC. M304S11GA)
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.28 lbs



**NOTES:**

- 1) MATERIAL: AISI 304 SS BAR  
(REF. DART SPEC M304B0.375X03.000)
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.47 lbs

# 55817

RELEASED  
8.07.07

|            |           |   |              |
|------------|-----------|---|--------------|
| DESIGN     | #         | <b>DART AEROSPACE LTD</b>   |              |
| DRAWN      | W.D. J.E. | HAWKESBURY, ONTARIO, CANADA   |              |
| CHECKED    | W.D. J.E. | DRAWING NO.   | REV. C       |
| MFG. APPR. | W.D. J.E. | <b>D3462</b>  | SHEET 2 OF 2 |
| APPROVED   | W.D. J.E. | TITLE   | SCALE        |
| DE APPR.   | W.D. J.E. | <b>BRACKET ASSEMBLY</b>   | 1:1          |
| DATE       | 07.10.24  | <small>COPYRIGHT © 2005 BY DART AEROSPACE LTD<br/>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS<br/>NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT<br/>WRITTEN PERMISSION FROM DART AEROSPACE LTD</small> |              |

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC<br>Section A   | Corrective Action Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

**NOTE:** Date & initial all entries